

Appl. No. 10/709,525
Amdt. dated October 25, 2005
Reply to Office action of August 09, 2005

Amendments to the Claims:

Listing of Claims:

1. (currently amended) A liquid crystal display (LCD) module, comprising:
a housing comprising a plurality of openings formed in a lower
5 surface of said housing;
an LCD panel formed within said housing, said LCD panel
comprising a display area, a peripheral circuit area formed on
said LCD panel, and a plurality of driver integrated circuits
formed in the peripheral circuit area of the LCD panel; and
10 a flexible printed circuit board (FPCB) formed on the edge of the
peripheral circuit area of the LCD panel, the FPCB having [[a]]
an extending portion and a plurality of light emitting diodes
(LEDs) formed below the lower surface of the extending
portion;
15 wherein the LEDs of the FPCB would be inset into corresponding
openings of the housing when the extending portion of the
FPCB crosses the edge of the LCD panel and being deflexed to
the lower surface of the housing.
- 20 2. (original) The LCD module of claim 1 wherein the housing is a
rectangular-platy reflect-frame.
3. (original) The LCD module of claim 1 wherein the LCD panel is a thin
film transistor LCD (TFT-LCD) panel.
- 25 4. (original) The LCD module of claim 1 wherein the FPC board comprises
a copper clad laminate or tape carrier package.

Appl. No. 10/709,525

Amdt. dated October 25, 2005

Reply to Office action of August 09, 2005

5. (original) The LCD module of claim 1 wherein each of the LEDs is a backlight source of the LCD panel used to illuminate the LCD panel.

5

6. (original) The LCD module of claim 1 wherein each driver integrated circuit comprises a gate driver integrated circuit or source driver integrated circuit.

10 7. (original) The LCD module of claim 1 further comprising a light-guide plate, a diffusion sheet, or an optical thin film formed between the LCD panel and the housing.

15 8. (currently amended) The LCD module of claim 1 further comprising a plurality of electrical components formed below the lower surface of the [[FPC]] FPCB.

20 9. (new) A liquid crystal display (LCD) module, comprising:
a housing comprising a plurality of openings formed in a lower surface of said housing;
an LCD panel comprising a display area and a peripheral circuit area;
and
25 a flexible printed circuit board (FPCB) connected to the edge of the peripheral circuit area, the FPCB having an extending portion and a plurality of light emitting diodes (LEDs) connected to the lower surface of the extending portion;
wherein the extending portion of the FPCB crosses the edge of the housing and the LEDs inset into the corresponding openings of the

Appl. No. 10/709,525
Amdt. dated October 25, 2005
Reply to Office action of August 09, 2005

housing.

10. (new) The LCD module of claim 9 further comprising a plurality of
driver integrated circuits formed in the peripheral circuit area of the LCD
5 panel.

11. (new) The LCD module of claim 9 wherein the flexible printed circuit
board is connected to the edge of the peripheral circuit area by the lower
surface of the extending portion.

10